

PERAC

COMMONWEALTH OF MASSACHUSETTS | PUBLIC EMPLOYEE RETIREMENT ADMINISTRATION COMMISSION

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JOSEPH E. CONNARTON, *Executive Director*

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MEMORANDUM

TO: Haverhill Retirement Board

FROM: Joseph E. Connarton, Executive Director

RE: Approval of Funding Schedule

DATE: July 18, 2016

This Commission is hereby furnishing you with approval of the revised funding schedule you recently adopted (copy enclosed). The schedule assumes payments are made on July 1 and January 1 of each fiscal year. The schedule is effective in FY17 (since the amount under the prior schedule was maintained in FY17) and is acceptable under Chapter 32.

The revised schedule updates our approval dated April 15, 2016 to reflect a data correction made for some retirees. As we noted in our prior approval, the schedule reflects a reduction in the investment return assumption from 8.0% to 7.50% and the adoption of a fully generational mortality assumption.

If you have any questions, please contact PERAC's Actuary, Jim Lamenzo, at (617) 666-4446, extension 921.

Enc.



HAVERHILL RETIREMENT SYSTEM
FUNDING SCHEDULE with 3(8)(C) - 15 years: 3.797741 % amortization
Generational Mortality projected from 2009, 7.50% Discount Rate

Fiscal Year	Normal Cost	Unfunded Liability	Funding Amortization of UAAL	Net 3(8)(c) Payments	Schedule Contribution	Adjusted for Semiannual Payment
2018	2,417,038	170,598,114	14,361,616	417,499	17,196,153	17,507,028
2019	2,519,762	167,954,236	14,908,408	417,499	17,845,670	18,168,287
2020	2,626,852	164,524,265	15,476,021	417,499	18,520,373	18,855,188
2021	2,738,493	160,226,862	16,065,248	417,499	19,221,241	19,568,726
2022	2,854,879	154,973,735	16,676,912	417,499	19,949,291	20,309,938
2023	2,976,212	148,669,084	17,311,867	417,499	20,705,578	21,079,897
2024	3,102,701	141,209,009	17,971,000	417,499	21,491,200	21,879,722
2025	3,234,565	132,480,859	18,655,233	417,499	22,307,298	22,710,573
2026	3,372,034	122,362,548	19,365,520	417,499	23,155,054	23,573,656
2027	3,515,346	110,721,804	20,102,855	417,499	24,035,700	24,470,222
2028	3,664,748	97,415,370	20,868,267	417,499	24,950,515	25,401,575
2029	3,820,500	82,288,136	21,662,826	417,499	25,900,825	26,369,065
2030	3,982,871	65,172,208	22,487,642	417,499	26,888,012	27,374,099
2031	4,152,143	45,885,909	23,343,866	417,499	27,913,509	28,418,134
2032	4,328,609	24,232,696	24,232,696	417,499	28,978,804	29,502,689
2033	4,512,575	-	-	417,499	4,930,074	5,019,201

Amortization of Unfunded Liability as of July 1, 2017

Year	Type	Original Amort. Amount	Percentage Increasing	Original # of Years	Current Amort. Amount	Years Remaining
2003	ERI-2002	262,422	4.00%	30	389,364	15
2004	ERI_2003	203,759	4.00%	29	290,695	15
2018	Fresh Start	13,681,557	3.80%	15	13,681,557	15